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TGGCTGAATT AAAAGTTGGG AAATGAANTT GAAAGAATCC GCTTCTTCCA CTGCTATAAA 600
5 ANAAGAATTG ACAGGGTTTT CATTGATCAC CTTTGTCTT GAAAAGGTGT GGGGAAAAAC 660
TGGAAGAATG ATATTTGGTC CTGTCCCNGG ACTGATTNA AACACCACC TAAATTACC 720
TTTTGTNCCN GCNCTTTGG AACNCCCNG GATCTNGATN TTANCACCCC CAANTCTTAT 780
10 CCTGGAACCTT TTGGGGNAAA NTTTGTNTTT GTT 813

(2) INFORMATION FOR SEQ ID NO: 43:

(i) SEQUENCE CHARACTERISTICS:

- (A) LENGTH: 805 base pairs
(B) TYPE: nucleic acid
(C) STRANDEDNESS: single
(D) TOPOLOGY: unknown

(ii) MOLECULE TYPE: cDNA

(vii) IMMEDIATE SOURCE:

(B) CLONE: U-D66

(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 43:

30 GGCACGAGAA GAGATAGCTG AAGTGACGTG AGTGGACAAT TCTCAATGGC TGCTGTAACA 60
AAGTCACAAT TCATCTCGAA AGGCTCATGC GCTGGCTATG GGGGTGTCGT CGACTCGGAG 120
35 CCAAGGACCT TCCTAAACAG AAGGGTTCTA CACTTGAGGA ACCANACCAC CGCTTACGAA 180
GGATTGANAT CTCGAAATGT GGTGATTG ATTACAGATGC CGTCTAATGC CAAGGTGATT 240
TCAAGGAAAA CTGTGAGGGG AACTCACAAT CCTAGTCGTA NACCTTGGGC TGTGTGCATT 300
40 TGTGGAAGAAG GGATGAACAT AGTCTTTGTC GCGCTGAGA TGGCTCCCTG GANTAAAACC 360
GGAGGACTCG GTGATGTTCT TGGAGGACTG CCACCGGCCA TGGCTGCAA TGGACACACA 420
GTGATGACTA TAGTCCACG CTATGATCAG TACAAGGATG GGTGGGATAC AAATGTCCTG 480
45 GCTGANTTAA AANTTGAAA TGAAATTGAA AAGANTCCGC TTCTTCCACT GCTATAAAN 540
AAGAATTGAC AGGGTTTTCA TTGATCATCC TTTGTTTCTT GAAAAAGTGT GGGGAAAAAC 600
50 TGGGAAGAAT GATATNTGGT CCTGTCCCNG GAACTGATTA TAAACACCA GCTAANATTA 660
CCTTTTGTG CCAGCAACTT TGAACCCCN AGGATTCTGG ATNTTACAAC ACNAATACTA 720
TTCTGGAACA TTTGGGAAA AATTGTTTTT GTTNCCAATG ANTGGCNCAC TGGTCCCNTC 780
55 CCTNCCTACT TAAAAANTTT TTTCC 805

(2) INFORMATION FOR SEQ ID NO: 44:

(i) SEQUENCE CHARACTERISTICS:

- (A) LENGTH: 790 base pairs
(B) TYPE: nucleic acid
(C) STRANDEDNESS: single
(D) TOPOLOGY: unknown

(ii) MOLECULE TYPE: cDNA

(vii) IMMEDIATE SOURCE:

(B) CLONE: U-D111

(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 44:

5 GGCACGAGAA GAGATAGCTG AAGTGACGTG AGTGGACAAT TCTCAATGGC TGCTGTAACA 60
 AAGTCACAAT TCATCTCGAA AGGCTCATGC GCTGGCTATG GGGGTGTCGT CGACTCTGAG 120
 10 CCAAGGACCT TCCTAAACAG AAGGGTTCTA CACTTGAGGA ACCAAACCAC CGCTTACGAA 180
 GGATTGAGAT CTCGAAATGT GGTGATTTG ATTCAGATGC CGTCTAATGC CAAGGTGATT 240
 TCGAGGAAAA CTGTGAGGGG AACTCAGAAT CCTAGTCGTA GACCTTGGGC TGTTGTCATT 300
 15 TGTGGAAAAG GGATGAACAT AGTCTTTGTC GGCCTGANA TGGCTCCCTG GAGTAAACC 360
 GGAGGACTCG GTGATGTTCT TGGAGGACTG CCACCGGCCA TGGCTGCAA TGGACACAGA 420
 20 GTGATGACTA TAGCTCCACG CTATGATCAG TACAAGGATG GGTGGGATAC AAATGTCCTG 480
 GCTGAGTTAA AAGTTGAAA TGAAATTGAA AGANTCCGCT TCTTCCACTG CTATAAAGA 540
 AGANTTGACA GGGTTTTTAT TGATCATCCT TTGTTTCTTG ANAAGGTGTG GGGAAAAACT 600
 25 GGAAGAATGA TATATGGTCC CTGTCNCAGG AACNGATTAT GAANACAACC AGCTAAGATT 660
 AACCTTTTGT TGCCAGCACT TTGGGAACCN CAAGGATCCT GGATCTTAAC AACNCAANTC 720
 30 TATTCTGGAC CATATGGGGA CAAATTGTTT TGTTGCAAAT GATGGCACCT GGTCNNTCC 780
 ATGCTACTTA 790

(2) INFORMATION FOR SEQ ID NO: 45:

- (i) SEQUENCE CHARACTERISTICS:
 (A) LENGTH: 813 base pairs
 (B) TYPE: nucleic acid
 (C) STRANDEDNESS: single
 (D) TOPOLOGY: unknown

(ii) MOLECULE TYPE: cDNA

(vii) IMMEDIATE SOURCE:
 (B) CLONE: U-D112

(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 45:

50 TTTTTTTTTT TTTTTTTTGG GAGCATAATA GCAATTTATT CAGGAGGATC AACTCAAAC 60
 ACTATAACAT AGACAGTAGT CACTTTCAGG GAGTGGCCAC ATTTTCCTTT GCAAGAGGAG 120
 55 CTATTTTCATC AGCATCGATG CCGGCTTCAC TACCAGCAGC TCCTAAGCTT AGGANAAATT 180
 GCTCCCACTT CTTAGCAGGT CCCTTCCAGG AGAGGTCTTG AGTCATGCAG TTCTGTATCA 240
 60 TCTCAGCAA TGCAGGTGTG CCGTAAACTT TAAGGGCCCT TTCTACTGTC TGAATGACTT 300
 TTTGTACATC ATCTTTATCG ACAACATCAC AATCAGGATT GAAGGGACCC ATATGAAACC 360
 CTGTGATGCC TTCTATGACA GTGTCAGCAA GTCCACCAGT TGTTGCGCAC ATGGGGGGAA 420
 65 TTCCATATCG CATGCCCTGA AAGCTGGATA AGGCCACAAG GTTCAATCT GCTGGTAAGA 480
 NCAAGAAGAT CTGCTCCAGC CATGATTTCA TGANCCAAAG GTGCATTAAA CTTCATATGT 540
 GCTCTCACTT TATTGGGAAA CATATCTTCA AGTTGTGCAA GCTGACGCTC CAACANCTTC 600
 70 TCCCANTACC AAGCACTATC ACTTGAACAT TTTCATCAAT GAATTCAGGA ATAAGTGCNG 660

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CGAAAAATATC CGAACCTTTC TGCTCTCTAA TCTCCCTATA AAGGNTATAA CAGGGATTTC 720
 5 CNGTCAACAG GTTAACCAAA TTCAACTTGT TAGGNTTCCC TTAATCCAAA GGTTCGACC 780
 CNNCCCATTT GTTGCTCNTA ATTGANAAAA ATT 813

(2) INFORMATION FOR SEQ ID NO: 46:

(i) SEQUENCE CHARACTERISTICS:
 (A) LENGTH: 808 base pairs
 (B) TYPE: nucleic acid
 (C) STRANDEDNESS: single
 (D) TOPOLOGY: unknown

(ii) MOLECULE TYPE: cDNA

(vii) IMMEDIATE SOURCE:
 (B) CLONE: U-D39

(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 46:

GGCACGAGCG AGTTTTTTTT TTTTTTTTTT GCTGTGATGA TATTATGCAT CTTATTAGTT 60
 GGTTCACCA CTTCTATTAC ATCACTCAAC AGTATTAGCC CAAGANAAGG CTAATACCTT 120
 30 CNCATCACTC TTGACATCTT ATTTGTATTG TAGGANACTA GTATATATAT CTATATGCGT 180
 GGTTCCTGC ACNAGGGCGG CTTATTAGTG GCGTCAGTGA TCTCAAGGGC AGAANACAAC 240
 35 CCTGTANTTG GTGCCGCCGG GGCAGGTGAA GGTGCTCGTC TGATCGTCCT TGGGATANCT 300
 GTAGGCGTCG GGGCAGTTTC TCTGAANAA CCGGGAGTAT TCGGTCGGGC TGCAGCTGCC 360
 GGAGTTGCAA CAGTACTGGT CCGTCTTGAA CACGGTGAG GGGTTGTTGC ANCCGCCCGG 420
 40 CGCCTTCANC GCCCCGGGGC ACTGCCCGTT GATNTCCGCC GCGCACCGBA TGCCGCGGCA 480
 NCCGCCTGAC NTGGGGCTNA ATCCCATTGG CACGTTGAAA CCGTCNACCA AGGGAAAATT 540
 CAAAAAATCC AAGTTGTTGA ACTGGTTGAA CGCCAATCC NCCAGGGTNT TGGGCCGGTT 600
 45 GCCNTACCCC GTGCATNACA ACACCCCGCC GCANTCCCT TCTGGCACCG CCGCNTCCGC 660
 TCCCCTCAA AGAACACCCG TGCGGCCCAA AATCCGNCC CCCGGTGGTT CCCCTTTCTN 720
 50 CTTTAANGGT CCCCAATGCC CCTGNTTTAA CTGNTCCCC CCCANGCNCG GCCCCGGCCC 780
 ACNCTTTNTT AAAACATCNG TNCCNAAT 808

(2) INFORMATION FOR SEQ ID NO: 47:

(i) SEQUENCE CHARACTERISTICS:
 (A) LENGTH: 809 base pairs
 (B) TYPE: nucleic acid
 (C) STRANDEDNESS: single
 (D) TOPOLOGY: unknown

(ii) MOLECULE TYPE: cDNA

(vii) IMMEDIATE SOURCE:
 (B) CLONE: U-D50

(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 47: